

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A ~~self-guiding~~ cover assembly for a vacuum electron device (VED) enclosure, said cover assembly comprising:
  - a cover having a top, a sidewall, an inside and an outside, ~~at least one electrical connector disposed on the inside of said cover for mating with a VED;~~
  - a pair of guide plates disposed on opposite sides of said outside of said sidewall of said cover, said pair of guide plates each having a track; and
  - a pair of guide elements mounted on opposite sides of said outside of said sidewall of said cover, said pair of guide elements each mating with said track.
2. (Original) The cover assembly of claim 1, wherein said pair of guide elements is a pair of shafts.
3. (Original) The cover assembly of claim 2, wherein said pair of shafts each is round.
4. (Original) The cover assembly of claim 1, wherein said track is generally L-shaped.

5. (currently amended) The cover assembly of claim 1, wherein said track is includes a slot through said pair of guide plates.
6. (currently amended) The cover assembly of claim 1, further comprising an interlock, said interlock interrupting power to ~~said current connection~~ an input circuit of the VED when said cover is not in a closed position.
7. (currently amended) The cover assembly of claim [[4]] 2, further comprising a notch in said track, said notch accepting one of said pair of shafts for locking said cover while in an open position.
8. (Original) The cover assembly of claim 1, further comprising a slip plate disposed between each of said pair of guide plates and said outside of said sidewall of said cover.
9. (currently amended) The cover assembly of claim 8, further comprising a flanged bearing on each of said two shafts for reinforcing the contact between each of said two guide plates and said ~~vertical surface~~ sidewall.
10. (Original) The cover assembly of claim 1, further comprising an automated device system for moving said cover along said track.

11. (currently amended) The cover assembly according to claim 1 further comprising a breach lock mechanism for seating a vacuum electron device (VED) into the VED enclosure having a base, said mechanism comprising:
- a plurality of guide elements mounted on the VED;
  - a first sleeve mounted on the base removably receiving the VED, said first sleeve having a plurality of vertical slots for mating with said plurality of guide elements; and
  - a second sleeve mounted on the base removably receiving said first sleeve, said second sleeve rotating around said first sleeve, said second sleeve having a plurality of tracks for mating with said plurality of guide elements, said sleeve rotation pulling the VED into the ~~base~~ VED enclosure for seating the VED.
12. (Original) The cover assembly according to claim 11 wherein said plurality of guide elements are pins.
13. (currently amended) The cover assembly according to claim 11 wherein said plurality of track further comprises a plurality of slanted slots having an opening, a middle portion, and a terminus, said opening removably receiving ~~said mating~~ each guide element, said middle portion declining away from said opening, said terminus having a notch for seating said ~~plurality of guide elements~~ element.
14. (currently amended) The cover assembly according to claim 11 further comprising a handle mounted on said second sleeve for rotating said second sleeve.

15. (currently amended) A ~~self-guiding~~ cover assembly for a vacuum electron device (VED) enclosure, said cover assembly comprising:
- a cover having a top, a sidewall, an inside and an outside, ~~at least one electrical connector for mating with a VED mounted on the inside of said top of said cover;~~
  - means for aligning said cover onto the VED enclosure; and
  - means for supporting said cover when said cover is in an opened position.
16. (currently amended) The self-guiding cover assembly as in claim 15 further comprising means for interrupting power to ~~said current connection~~ an input circuit of the VED when said cover is not in a closed position.
17. (currently amended) The self-guiding cover assembly as in claim 15 further comprising means for preventing galling, binding, and cocking between said cover and said means for ~~properly~~ aligning.
- 18-31. (canceled).